

**PUBLICATIONS**

**Journal**

**2001**

1. "Monte Carlo Simulation of Fatigue of a Fiber Tow Undergoing Chemical Reaction," A. Calomino and D. Coon, Journal of Materials Science, 2001

**NASA Technical Reports**

**2002**

2. "Ceramics Matrix Composites (CMC) Life Prediction Development", S. Levine, M. Verrilli, A. Calomino, D. Thomas, M. Halbig, J. Ellis, and E. Opilia, NASA TM-2002-211472, 2002.
3. "Effect of Environment on the Stress-Rupture Behavior of a C/SiC Composite Studied", M. Verrilli, J. Kiser, E. Opila, and A. Calomino, Research and Technology, 2001, NASA TM 211333, June, 2002.
4. "International Space Station Dash-8 Coldplate Durability Study, Final Report" A Calomino, P. Kantzios, and M. Melis, NASA TM 2002-210745, 2002.

**Conference Proceedings and Presentations**

**2005**

1. "Comparison of Elevated Temperature Properties and Fatigue Behavior of Two Variants of a Woven SiC/SiC Composite," S. Kalluri, A. Calomino, D. Brewer, 29th Intl. Cer. Soc. Proc., January 2005.

**2004**

2. "Ceramic Matrix Composite Vane Sub-element Fabrication," A. M. Calomino, M. J. Verrilli, Proc. of ASME Turbo Expo 2004, Power for Land, Sea and Air, GT2004-53974, June 2004.
3. "Computation of Variability in Average Thermal/Mechanical Properties of a SiC/SiC Composite," S. Kalluri, A. Calomino, D. Brewer, High Temp. Cerm. Matrix Comp. Conf. Proc., HTCMC 5, Sept. 2004.
4. "Ceramic Matrix Composite Vane Sub-element Testing in a Gas Turbine Environment," M. Verrilli, A. Calomino, Proc of ASME Turbo Expo 2004, Power for Land, Sea and Air, GT2004-53974, June 2004.

**2003**

5. "Specimen Scale Effects on the Stress-Oxidation Behavior of a Carbon Fiber reinforced Silicon Carbide Matrix Composite", A. Calomino and M. Verrilli, Ceramic Engineering and Science Proc. 2003.
6. "Temperature Dependence on the Strength and Stress Rupture Behavior of a Carbon-Fiber Reinforced Silicon Carbide Matrix Composite", M. Verrilli and A. Calomino, Ceramic Eng. and Sci. Proc., 2003.

**2002**

7. "Stress/Life Behavior of a C/SiC in a Low Partial Pressure Oxygen Environment Part II: Stress Rupture Life and Residual Strength Relationship", A. Calomino, et. al., Ceramic Eng. and Sci. Proc., 2002.

8. "Stressed Oxidation Life for a Carbon Fiber Reinforced Silicon Carbide Matrix Composite", A. Calomino, M. Verrilli, and D. Thomas", IGTI 2002/ASME Turbo Expo. Proc., 2002.
9. "Mechanical Performance Improvement of an In-situ BN Coated MI/SiC/SiC Composite," A. Calomino, M. Verrilli, M.J., Proc. Ceramics, Metals, and Carbon Composites Proc., 2002.
10. "High Temperature Tensile Properties and Fatigue Behavior of a Melt-Infiltrated SiC/SiC Composite," R. Kalluri, and A. Calomino, Eighth International Fatigue Congress Proceedings, Vol. 3/5, 2002.

## 2001

11. "C-Coupon Studies of Ceramic Matrix Composites: Fracture Behavior and Microstructural Characterization," A. Calomino, A. Aziz, F. Hurwitz, Cerm. Eng. Sci. Proc. 2001.
12. "Slow Crack Growth of Sapphire," J. Salem, Anthony Calomino, Robert Allen and Lynn Powers Ceramic Engineering and Science Proceedings, Vol. 22, No. 3A, (2001).

## TECHNICAL MEETING PRESENTATIONS

"Optical Image Analysis of Porosity Distributions for Mission Flown RCC" Tech. Interchange Meeting, LESS RCC Aging, NASA Johnson, November 2004

"Reinforced Carbon/Carbon Oxidation Damage, Non-destructive Evaluation, and Microstructure," CAIB Presentation, CAIB RFI #B1-000255, NASA Johnson, June 2003

"Mechanical Performance Improvements of an In-situ Boron Nitride-coated MI SiC/SiC Composite", A. Calomino and M. Verrilli, Composites, Materials, & Structures Proceedings, 2002.

"Effect of Environment on Stress-Rupture Behavior of a Carbon Fiber-Reinforced Silicon Carbide Ceramic Matrix Composite", M. Verrilli, A. Calomino, D. Kiser, Natl. Missile and Space Mtls, 2002.

"Reliability and Durability Characterization Assessment of a Slurry Cast Melt Infiltration Ceramic Composite," A.Calomino, D. Brewer, and B. Flandermeier, Composite, Matls & Struct. Proc., 2000